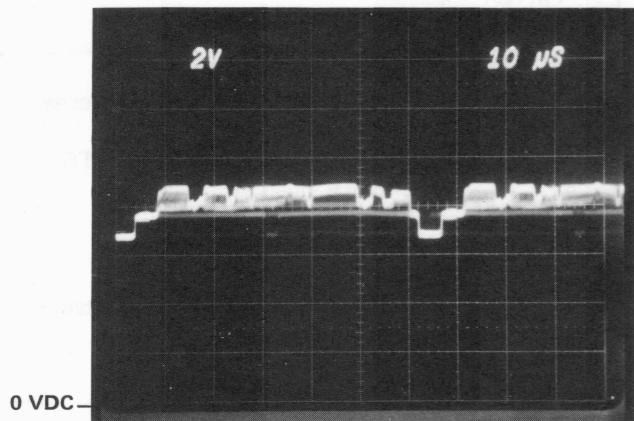


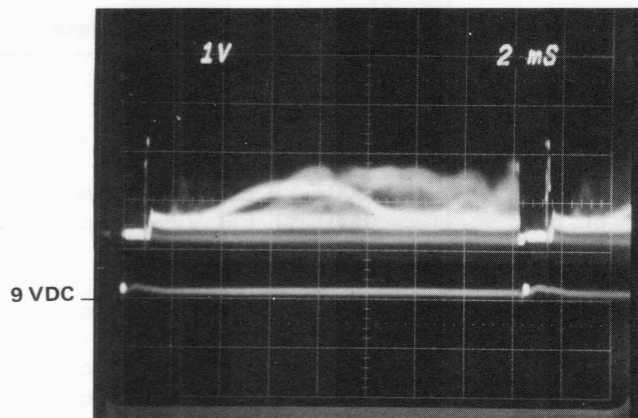
WAVEFORM INDEX

Waveform No.	Board No.	Board Name	Pin No. (Location)	Comments
1	400	AGC/IF Proc.	9	Composite video IF output
2	400	AGC/IF Proc.	11	Compensated, amplified composite video
3	400	AGC/IF Proc.	10	Composite video output for VTR
4	800	Ext. Video Amp.	4	External video in
5L, 5F	800	Ext. Video Amp.	6	3V p-p output
6	900	Comb Filter	10	Combed luminance out
7	900	Comb Filter	12	Combed chrominance out
8	1000	Luminance Proc.	1	High-end frequency compensated luminance out
9L,9F	1000	Luminance Proc.	10	Composite sync
10	1000	Luminance Proc.	8	Sync clamp pulse
11	1000	Luminance Proc.	11	Back porch clamp pulse
12	1000	Luminance Proc.	12	Burst gate pulse
13	1200	NTSC Decoder	18	Luminance input
14	1200	NTSC Decoder	1	3.58 MHz subcarrier reference
15	1200	NTSC Decoder	3	Amplified chroma
16	1200	NTSC Decoder TP's	2,6	Q (TP2) and I (TP6)
17	1200	NTSC Decoder	12	R decoded signal for color bars
18	1200	NTSC Decoder	11	B decoded signal for color bars
19	1200	NTSC Decoder	15	G decoded signal for color bars
20	1200	NTSC Decoder	12,11,15	Decoded video-R,G,B,
21	1300	RGB Proc.	15,16,17	Outputs — full contrast, no detail
21A	1300	RGB Proc.	15,16,17	No detail, no contrast
22	1400	Video Output	4,8,16	Video output with blanking
22A	1400	Video Output	4,8,16	Video output without blanking
23	1500	X-Hatch	2	Output
24	1600	Vert. Osc.	5	Vert. ramp
25		Vert. T.P.		Vert. yoke-hot side
26	1600	Vert. Osc.	7	Vert. sawtooth
27	1700	Hor. Osc.	4	+ Hor. pulse
28	1700	Hor. Osc.	1	- Hor. pulse (not used)
29	1700	Hor. Osc.	7	Hor. sawtooth
30	1700	Hor. Osc.	12	Waveform from focus tap of H.V. tripler
31	1700	Hor. Osc.	10	Oscillator output
32	1700	Hor. Osc.	3	Hor. retrace pulse
33		Hor. T.P.		
34		Case of top SCR, HV Cage		Anode of retrace SCR
35	2100	Pincushion	8	Vertical yoke return
36	500	Audio Demod.	2	Detected composite video before demodulator
37	500	Audio Demod.	12	Audio out to volume control
38L, 38F	2400	Waveform Gen.	2	Keystone waveform
39	2400	Waveform Gen.	8, 11	+ and - vert. ramps
40	2500	Bow Gen.	7	+ vert. bow out — R17 CW
41	2500	Bow Gen.	1	+ hor. bow out — R30 CCW
42	2600	DCA	4,5	Vert. rate DCA output
43	2600	DCA	10,11	Hor. rate DCA output
44		+250V line		Ripple
45		+160V line		Ripple
46		+40V line		Ripple
47		+23V line		Ripple
48		-160V line		Ripple



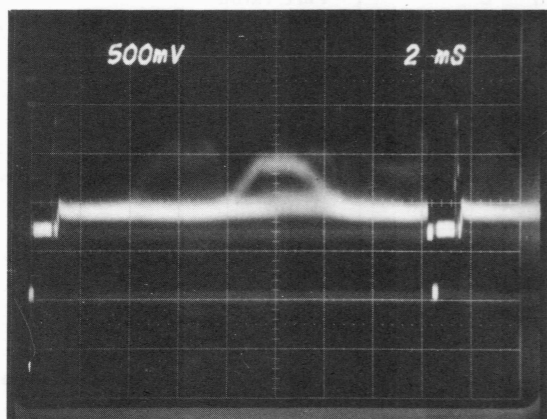
Waveform 1

Notes: Burst amplitude is reduced.



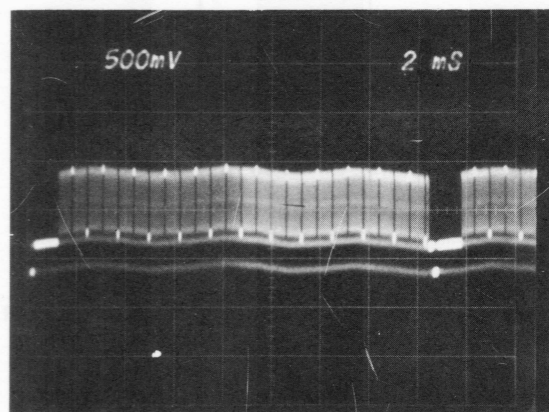
Waveform 2

Notes: _____



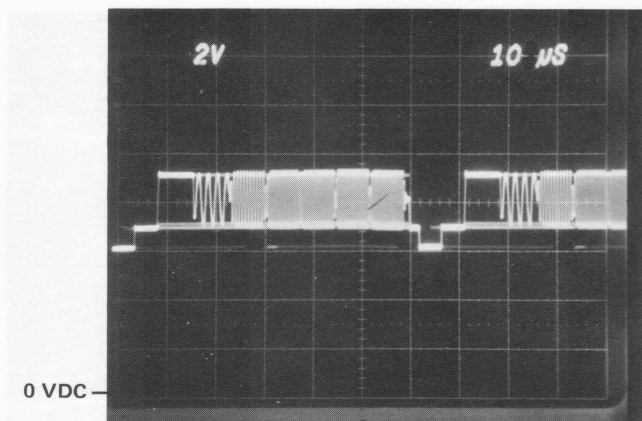
Waveform 3

Notes: 2V p-p unterminated



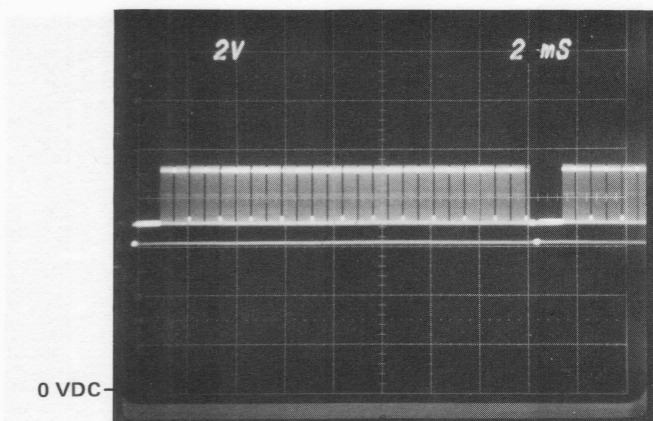
Waveform 4

Notes: Multiburst signal - 1 V p-p, 75Ω



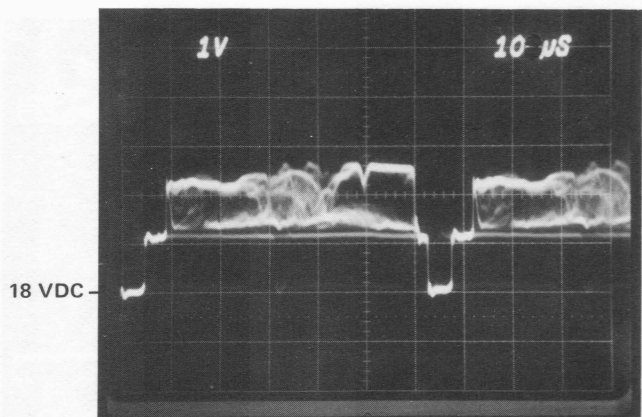
Waveform 5L

Notes: Multiburst signal. Sync tips clamped
to 6V.



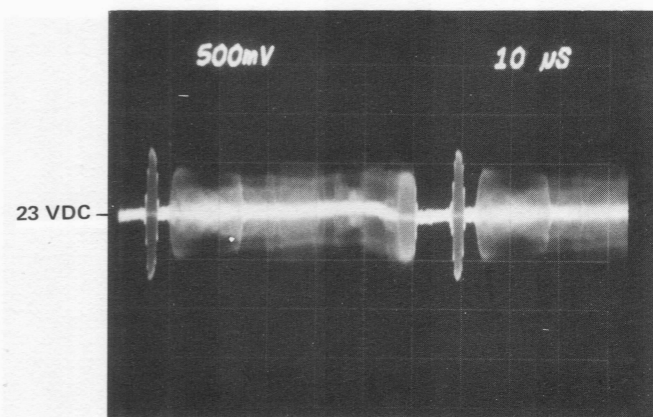
Waveform 5F

Notes: Multiburst. Note lack of tilt.



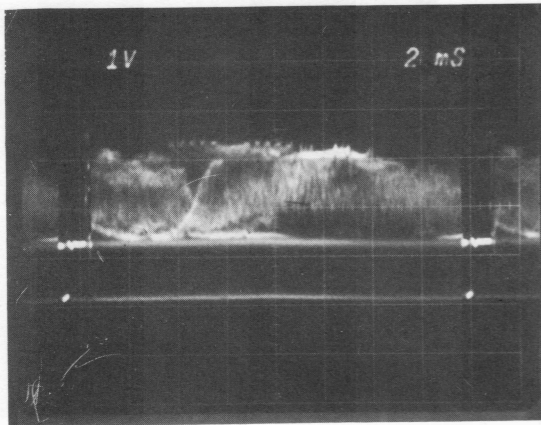
Waveform 6

Notes: Color burst is nulled.



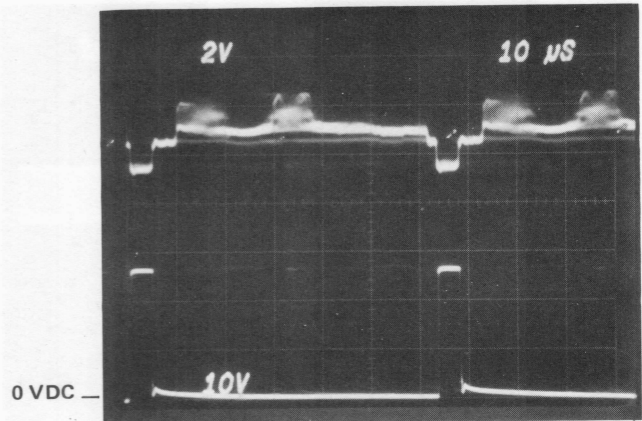
Waveform 7

Notes: R56 (chrominance level) fully up.



Waveform 8

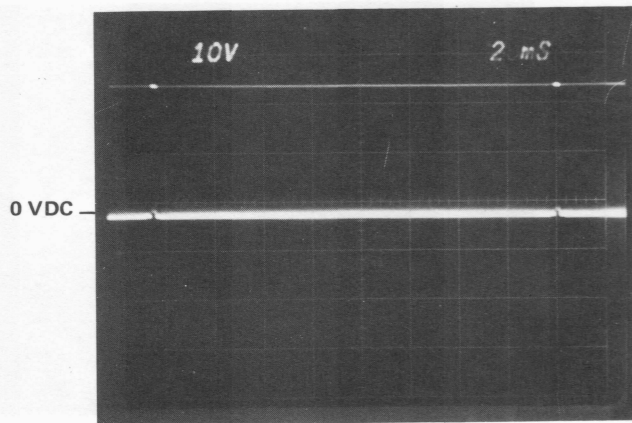
Notes: _____



Waveform 9L

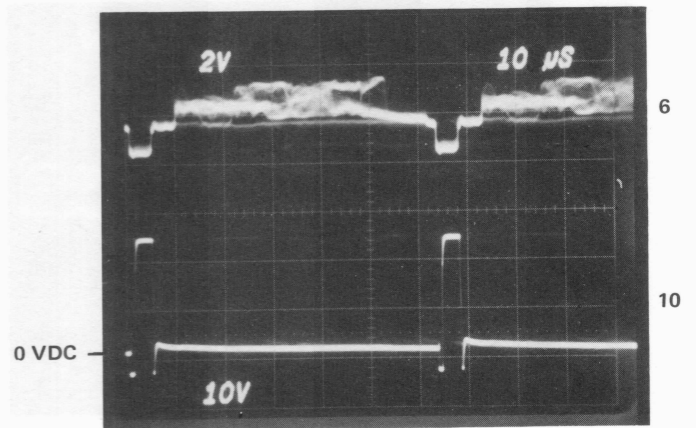
Upper reference trace is waveform 6

Notes: _____



Waveform 9F

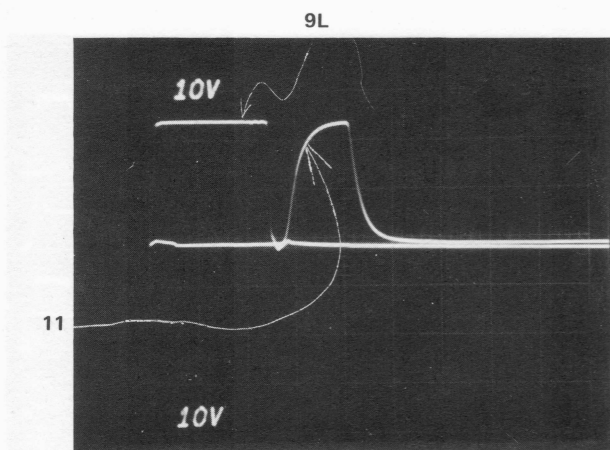
Notes: _____



Waveform 10

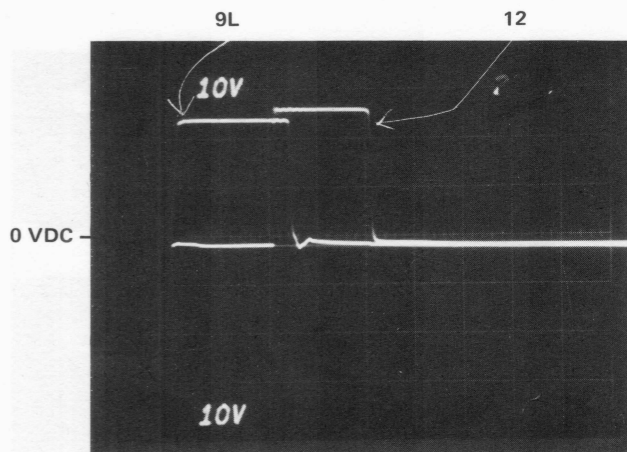
Upper reference trace is waveform 6

Notes: Delay from composite sync is 1 μsec.



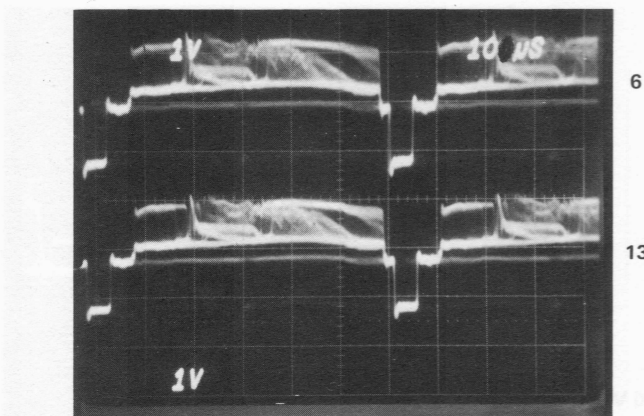
Waveform 11
Superimposed reference trace is waveform 9L.

Notes: 2 μ sec/Div.



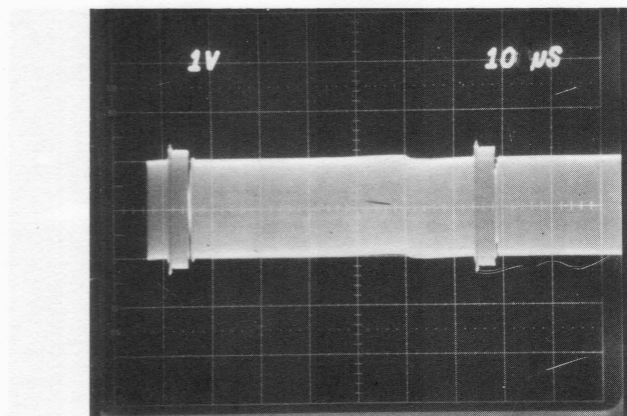
Waveform 12
Superimposed reference trace is waveform 9L.

Notes: Delayed 4 μ sec from composite sync.



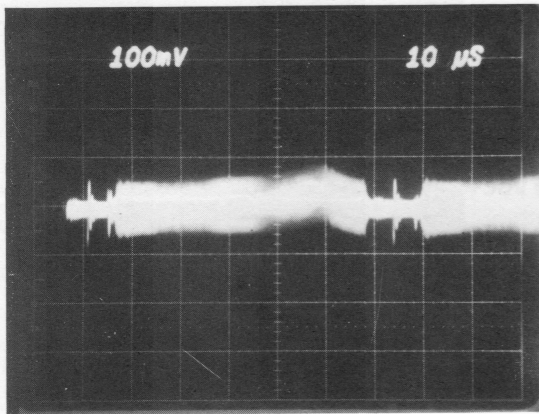
Waveform 13
Upper reference trace is waveform 6.

Notes: Video is delayed 600 nsec.



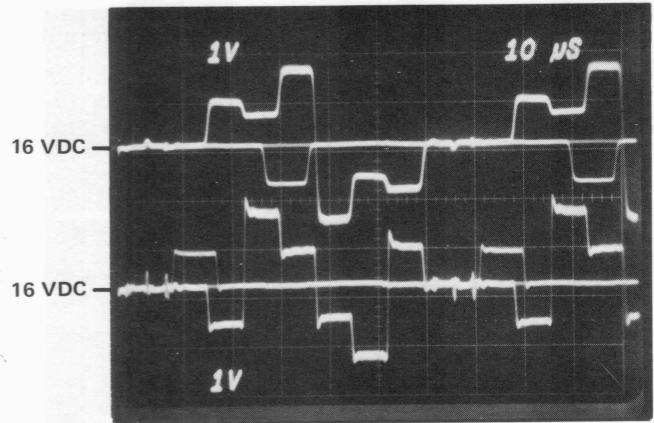
Waveform 14

Notes: Color burst is gated in to produce a continuous wave.



Waveform 15

Notes: Color burst is gated out of the signal.



Waveform 16

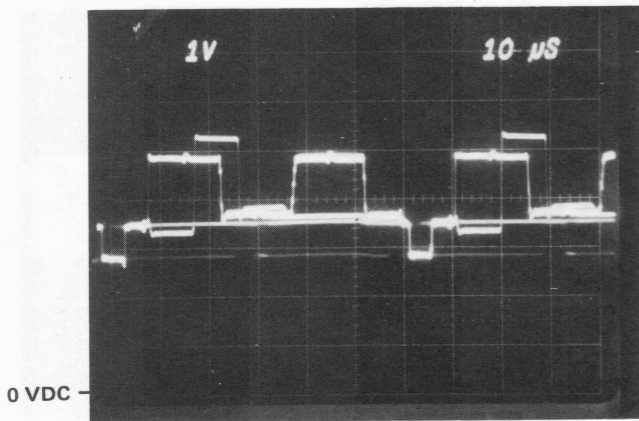
Upper trace is test point 2
Lower trace is test point 6

Notes: Color bar signal containing I and Q.

Color control midrange.

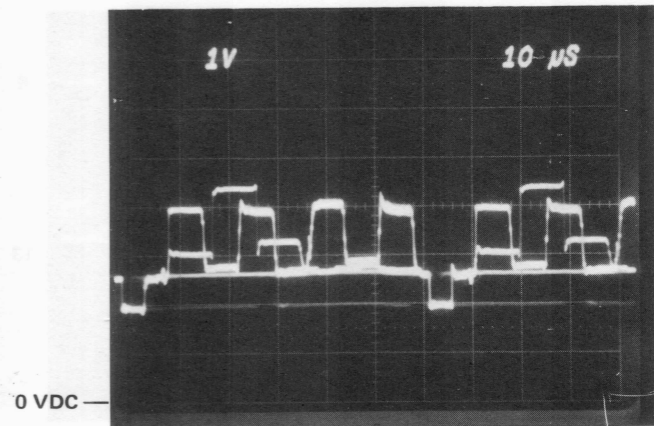
Q
TP
2

TP
6
I



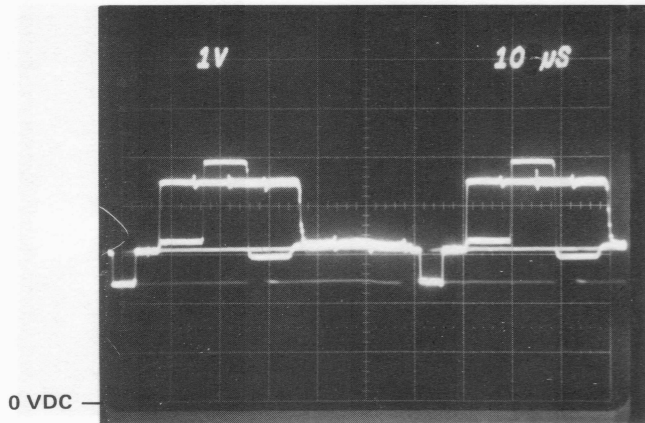
Waveform 17

Notes:



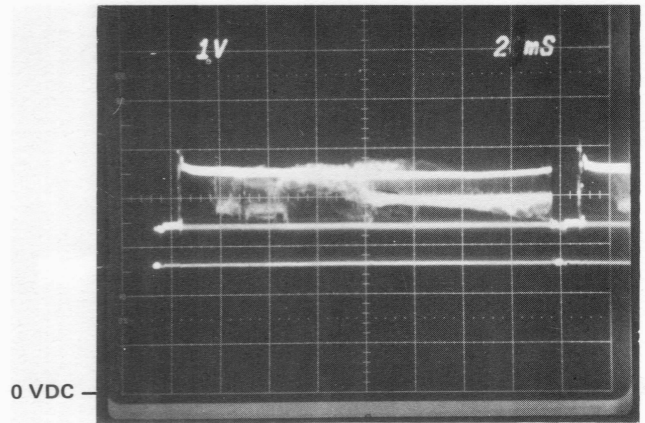
Waveform 18

Notes:



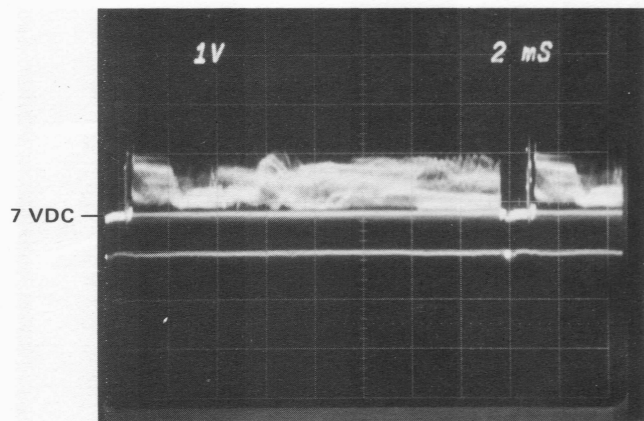
Waveform 19

Notes: _____



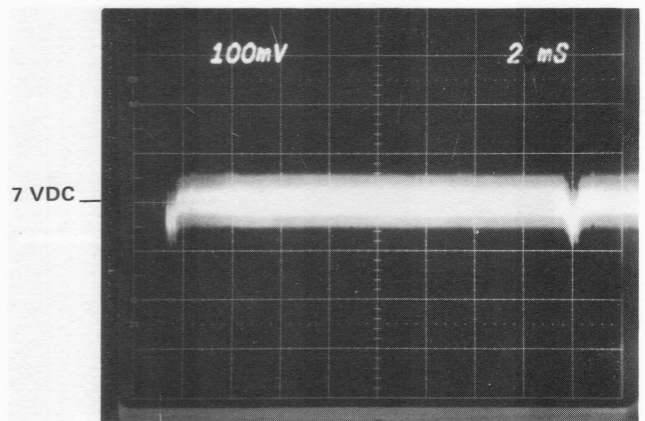
Waveform 20

Notes: _____



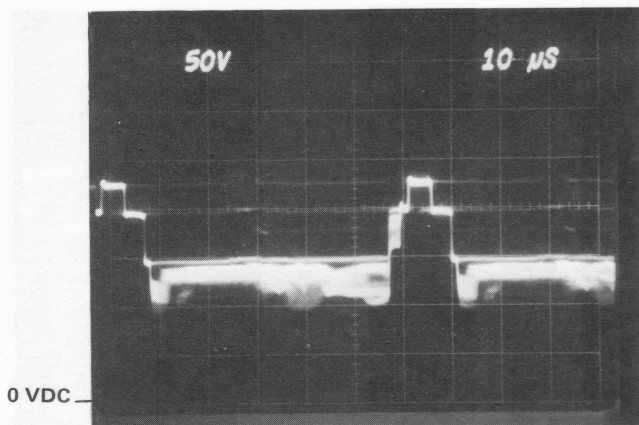
Waveform 21

Notes: _____



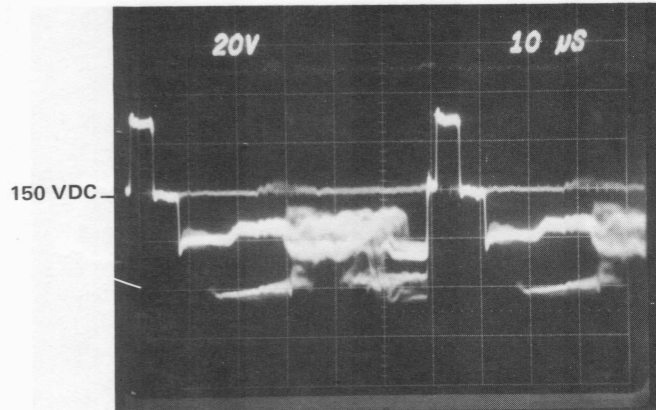
Waveform 21A

Notes: _____



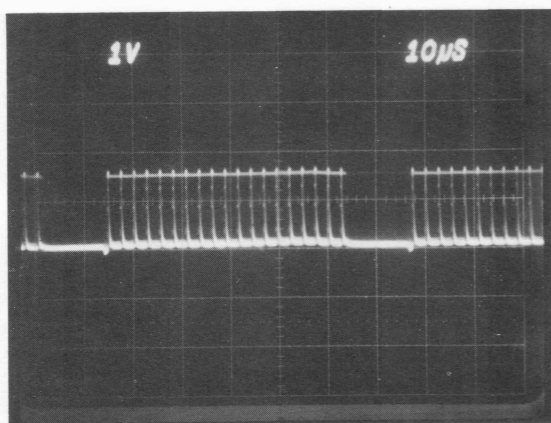
Waveform 22

Notes: Full contrast, brightness midrange.



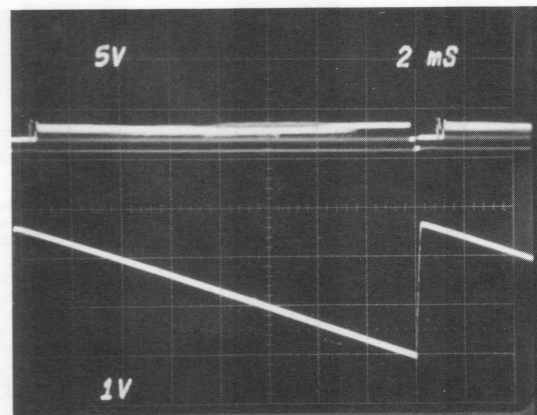
Waveform 22A

Notes: No hor. scan. Full contrast, no detail.



Waveform 23

Notes:

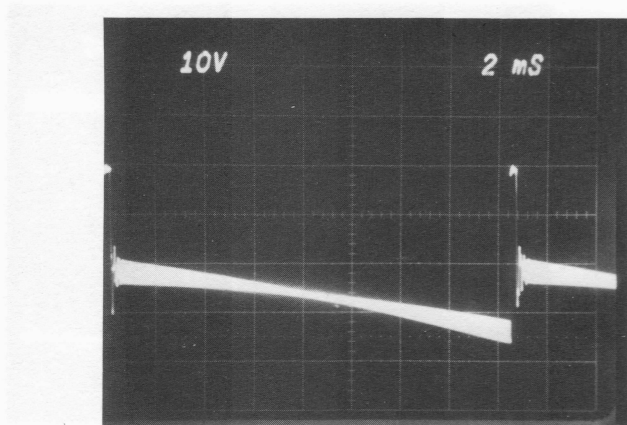


Waveform 24

Upper reference trace is waveform 6.

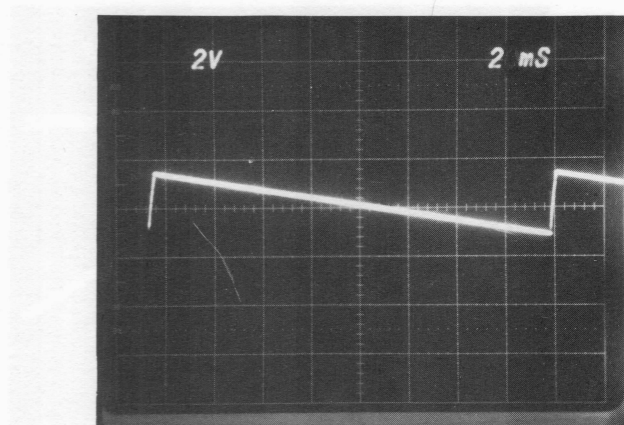
Notes: Ramp amplitude is a function of the vert.

Hold control.



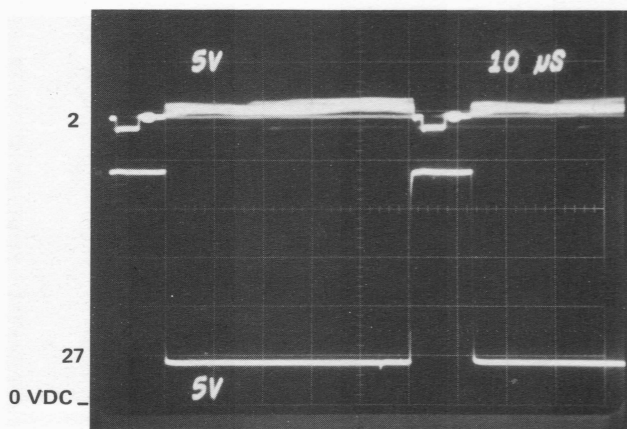
Waveform 25

Notes: _____



Waveform 26

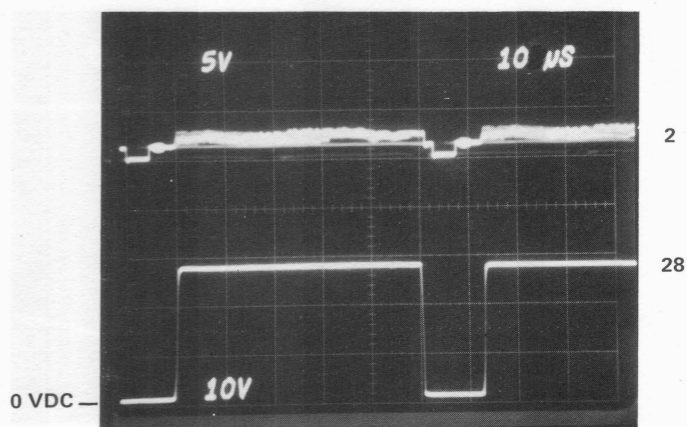
Notes: _____



Waveform 27

Upper reference trace is waveform 2.

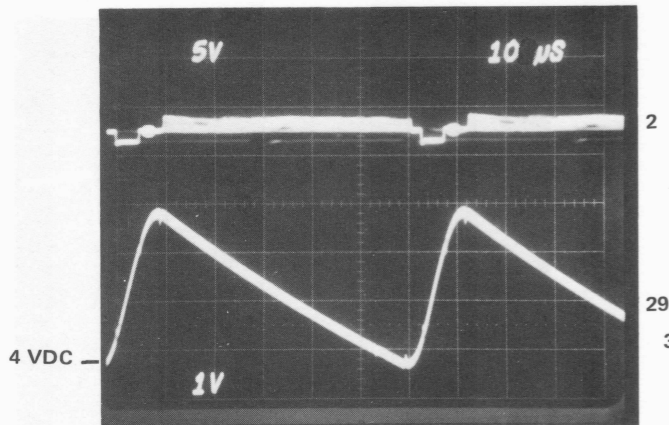
Notes: _____



Waveform 28

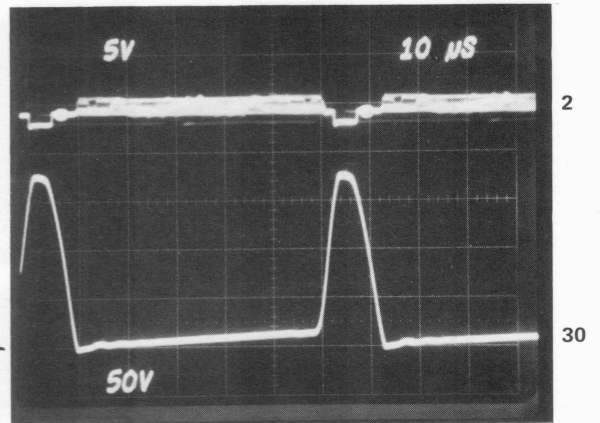
Upper reference trace is waveform 2.

Notes: _____



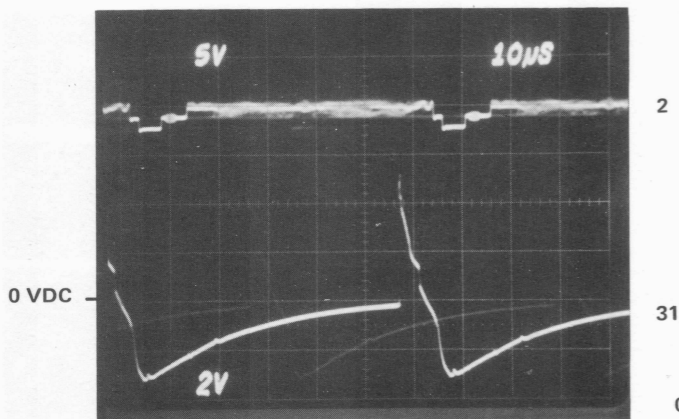
Waveform 29
Upper reference trace is waveform 2.

Notes: _____



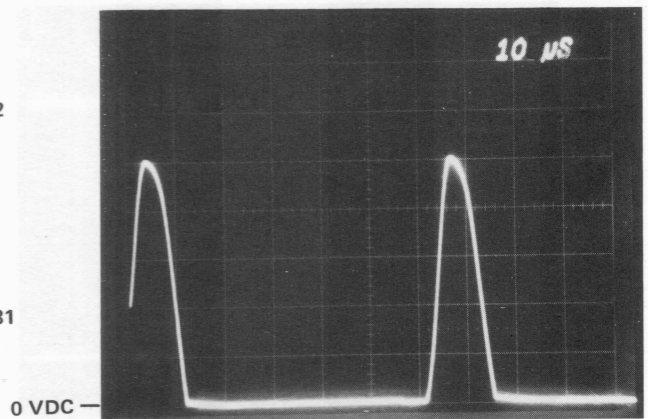
Waveform 30
Upper reference trace is waveform 2.

Notes: _____



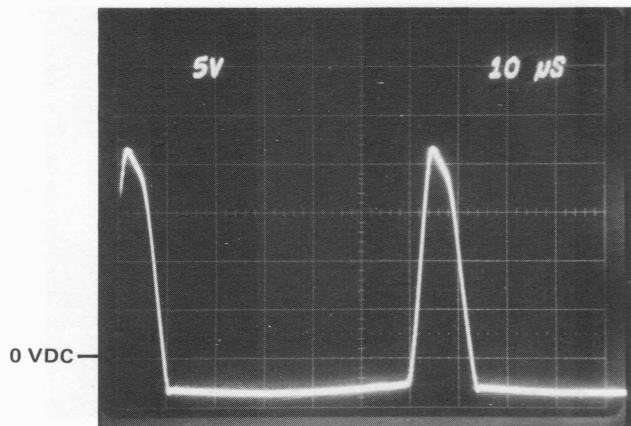
Waveform 31
Upper reference trace is waveform 2.

Notes: Note that the pulse goes below ground.



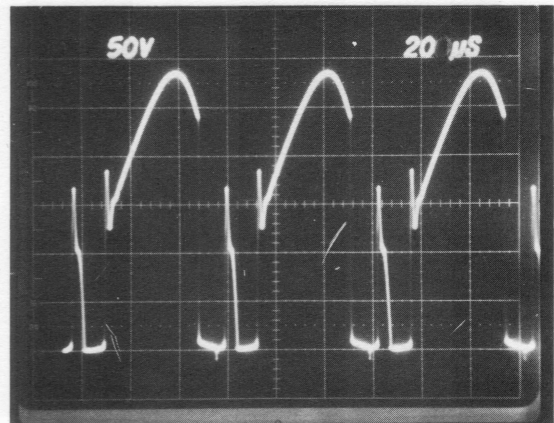
Waveform 32

Notes: 100V/Div.



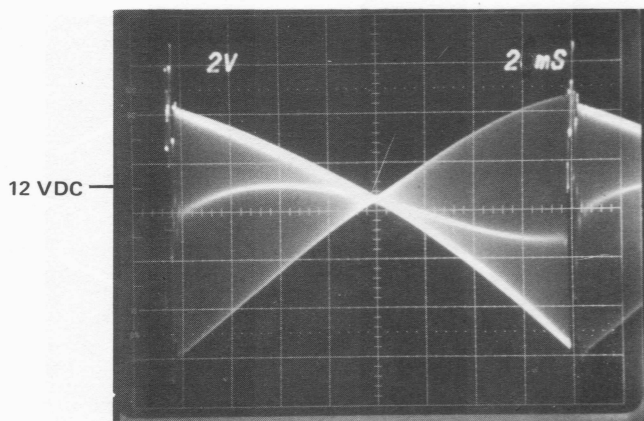
Waveform 33

Notes: _____



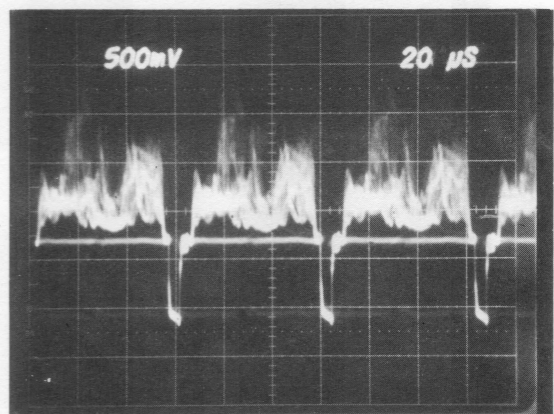
Waveform 34

Notes: _____



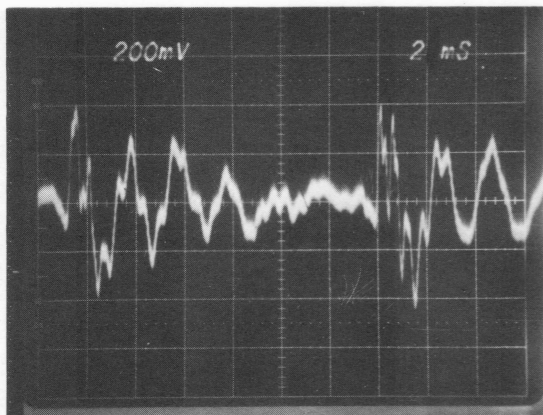
Waveform 35

Notes: _____



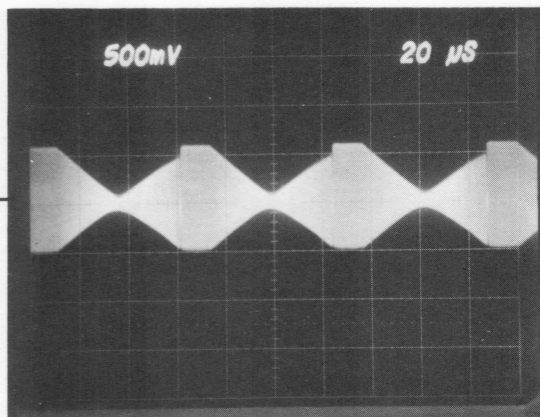
Waveform 36

Notes: _____



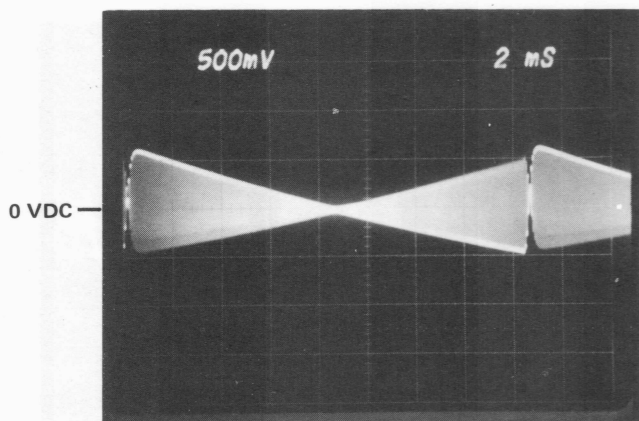
Waveform 37

Notes: _____



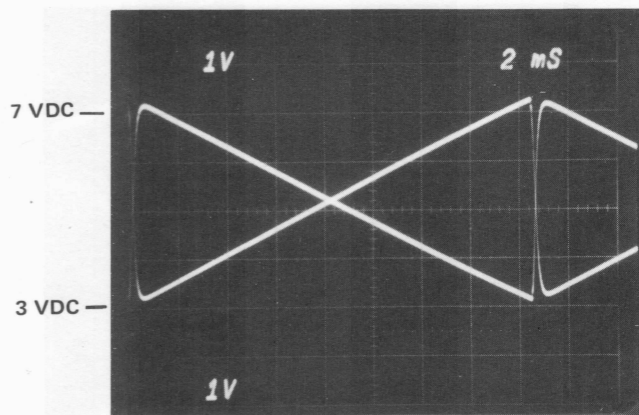
Waveform 38L

Notes: _____



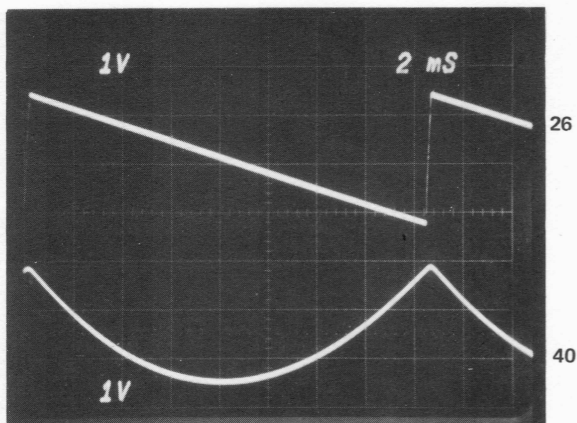
Waveform 38F

Notes: _____



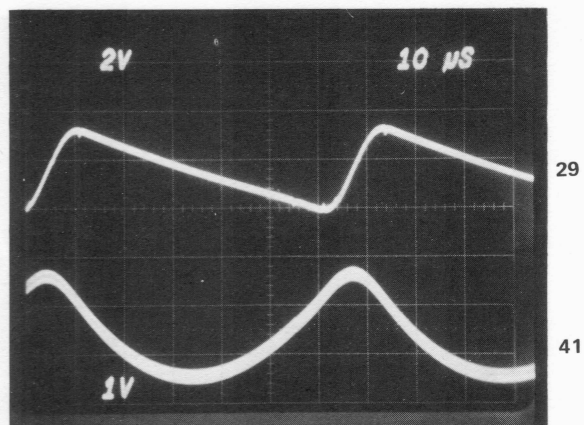
Waveform 39

Notes: _____



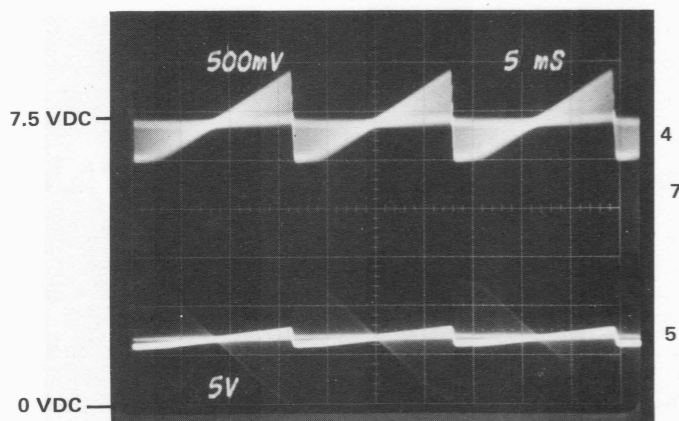
Waveform 40
Upper reference trace is waveform 26.

Notes: _____



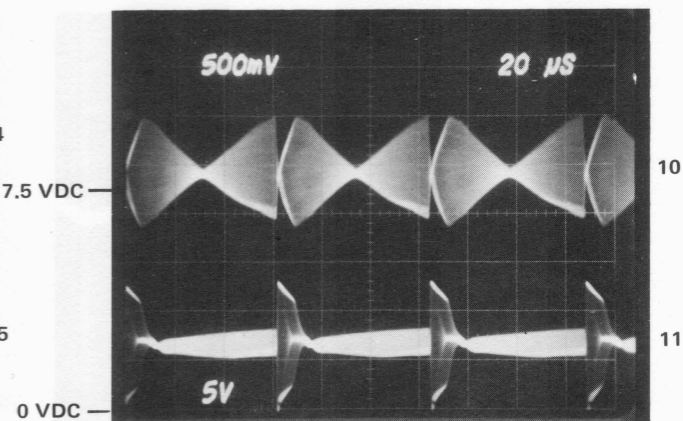
Waveform 41
Upper reference trace is waveform 29.

Notes: _____



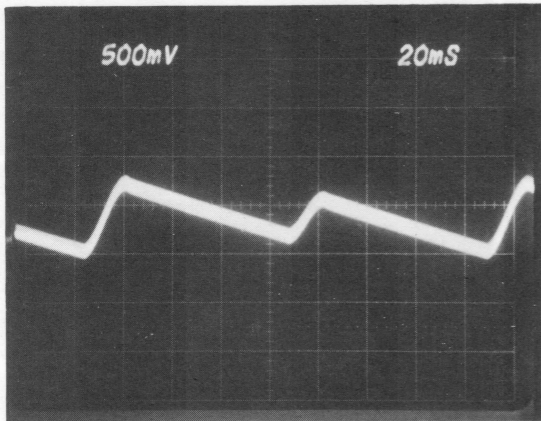
Waveform 42
Upper trace is pin 4.
Lower trace is pin 5.

Notes: _____



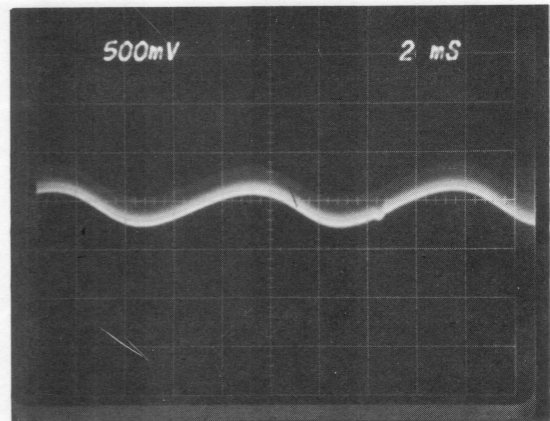
Waveform 43
Upper trace is pin 10.
Lower trace is pin 11.

Notes: _____



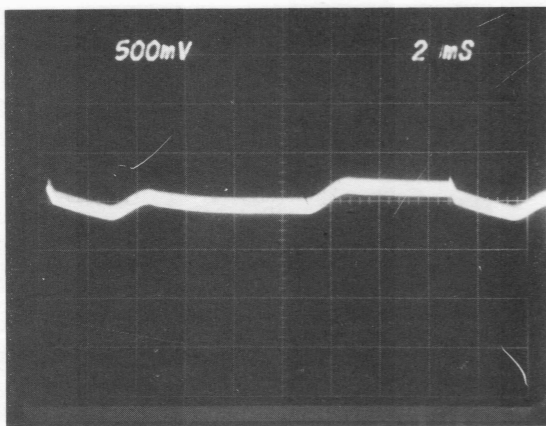
Waveform 44

Notes: _____



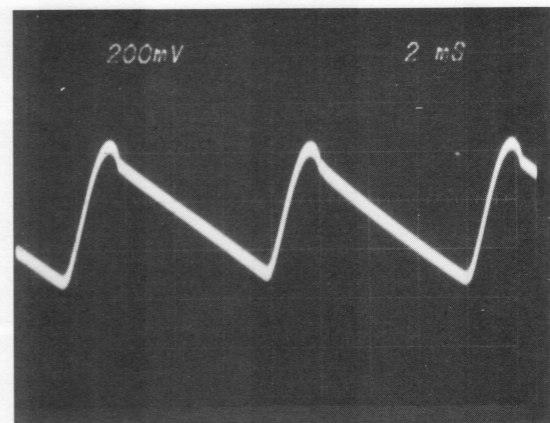
Waveform 45

Notes: _____



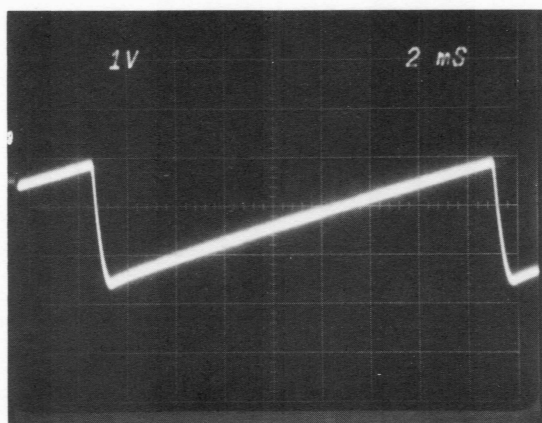
Waveform 46

Notes: _____



Waveform 47

Notes: _____



Waveform 48

Notes: _____

